

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,254,433 B2
APPLICATION NO. : 10/676534
DATED : August 7, 2007
INVENTOR(S) : Mohamed K. Diab

Page 1 of 5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Page 2, column 2, line 5, delete "Signalsl" and insert -- Signals --, therefor.

At Page 3, column 1, line 11, delete "Nehoral" and insert -- Nehorai --, therefor.

At Page 3, column 1, line 14, delete "Nehoral" and insert -- Nehorai --, therefor.

At Page 3, column 1, line 38, delete "Procedings" and insert -- Proceedings --,
therefor.

At Page 3, column 1, line 45, delete "vby" and insert -- by --, therefor.

At Page 3, column 2, line 8, delete "Cofidential" and insert -- Confidential --,
therefor.

At Page 4, column 1, line 49, after "Nellcor's" insert -- Motion --.

At Page 5, column 1, line 15, delete "Nehoral" and insert -- Nehorai --, therefor.

At Page 5, column 1, line 53, delete "Fleweiling" and insert -- Flewelling --,
therefor.

At Page 5, column 1, line 60, delete "510(k)" and insert -- 510(K) --, therefor.

At Page 5, column 1, line 68, delete "Develpment" and insert -- Development --,
therefor.

At Page 5, column 2, line 47, delete "04" and insert -- O4 --, therefor.

At Page 6, column 2, line 20, delete "Digitial" and insert -- Digital --, therefor.

At Page 6, column 2, line 30, delete "In" and insert -- in --, therefor.

At Page 6, column 2, line 39, delete "Algoritm" and insert -- Algorithm --,
therefor.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Sheet 13 of 35 (FIG. 10), line 1, delete "SQUIRES" and insert -- SQUARES --, therefor.

At Sheet 22 of 35 (FIG. 18), line 6, delete "HZ" and insert -- Hz --, therefor.

At Sheet 24 of 35 (FIG. 20), line 9, delete "SATURTION" and insert -- SATURATION --, therefor.

At Sheet 24 of 35 (FIG. 20), line 3, delete "SUPPRESSION" and insert -- SUPPRESSION --, therefor.

At column 6, line 60 (Approx.), delete " $n_1=r_v n_s$ " and insert -- $n_1=r_v n_2$ --, therefor.

At column 14, line 54, delete "AN" and insert -- A_N --, therefor.

At column 15, line 35, delete "a" and insert -- λ_a --, therefor.

At column 17, line 2, delete " $x_6(t)$ " and insert -- $x_6(t)$ --, therefor.

At column 17, line 61, delete " $s_{\lambda b}$ " and insert -- $s_{\lambda b}(t)$ --, therefor.

At column 18, line 26 (Approx.), after " $c_i x_i(t)$ " insert -- (20b) --.

At column 20, line 30, delete " $s_{\lambda a}(t)$ " and insert -- $S_{\lambda a}(t)$ --, therefor.

At column 20, line 35, delete " $s_{\lambda a}(t)$ " and insert -- $S_{\lambda a}(t)$ --, therefor.

At column 21, line 16, delete " $s_{\lambda a}(t)$ and $s_{\lambda b}(t)$ " and insert -- $S_{\lambda a}(t)$ and $S_{\lambda b}(t)$ --, therefor.

At column 22, line 13 (Approx.), delete " $s_{\lambda a}(t)=S_{\lambda a}(t)+ n_{\lambda a}(t)$ " and insert -- $S_{\lambda a}(t)=s_{\lambda a}(t)+ n_{\lambda a}(t)$ --, therefor.

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At column 22, line 15 (Approx.), delete " $s_{\lambda b}(t)=S_{\lambda b}(t)+n_{\lambda b}(t)$ " and insert
-- $S_{\lambda b}(t)=s_{\lambda b}(t)+n_{\lambda b}(t)$ --, therefor.

At column 22, line 53, delete "used,integration" and insert -- used, integration --,
therefor.

At column 23, line 15-16 (Approx.), delete " $s_{\lambda a}(t)$ or $s_{\lambda b}(t)$ " and insert
-- $S_{\lambda a}(t)$ or $S_{\lambda b}(t)$ --, therefor.

At column 24, line 51, delete " $s_{\lambda a}(t)$ or $s_{\lambda b}(t)$ " and insert -- $S_{\lambda a}(t)$ or $S_{\lambda b}(t)$ --,
therefor.

At column 24, line 54, after " $n_{\lambda b}(t)$ " insert -- . --.

At column 25, line 32, delete " $(M-1)^{th}$ " and insert -- $(m-1)^{th}$ --, therefor.

At column 28, line 10, delete " $\mathfrak{S}_{f,m}^*(t)$ " and insert -- $\Gamma_{f,m}^*(t)$ --, therefor.

At column 29, line 22 (Approx.), delete " $\mathcal{E}_{m,\lambda a}$ " and insert -- $\mathcal{E}_{m,\lambda a}$ --,
therefor.

At column 31, line 42, delete " $s_{\lambda a}(t)$ " and insert -- $S_{\lambda a}(t)$ --, therefor.

At column 34, line 30, after " $x_{5,6}(t)$ " insert -- . --.

At column 34, line 45, delete " $s_{\lambda a}(t_2)$ " and insert -- $s_{\lambda a}(t_2)$ --, therefor.

At column 34, line 53 (Approx.), delete " $\mathcal{E}_{\lambda b}C_6\Delta X$ " and insert
-- $\mathcal{E}_{6,\lambda b}C_6\Delta X$ --, therefor.

At column 36, line 3, delete "circuitry" and insert -- circuitry --, therefor.

At column 36, line 49, before "lowpass" delete "an" and insert -- a --, therefor.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 38, line 11, delete "circuitry" and insert -- circuitry --, therefor.

At column 49, line 7 (Approx.), delete " $(t_b)^1$ " and insert -- $(t_b)^2$ --, therefor.

At column 49, line 12 (Approx.), delete " $(t_b)^+$ " and insert -- $(t_b)^+$ --, therefor.

At column 52, line 5, delete "that" and insert -- than --, therefor.

At column 52, line 25, delete " $s_{\lambda b}(t)$ " and insert -- $S_{\lambda b}(t)$ --, therefor.

At column 52, line 28, delete " $s_{\lambda a}(t)$ " and insert -- $S_{\lambda a}(t)$ --, therefor.

At column 54, line 60, delete " $\sum_{i=1}^N$ " and insert -- $\sum_{i=1}^N$ --, therefor.

At column 55, line 20, delete " $\sum_{l=1}^n$ " and insert -- $\sum_{i=1}^n$ --, therefor.

At column 56, line 46 (Approx.), delete " $r_v r_a$ " and insert -- $r_a r_v$ --, therefor.

At column 61, line 12 (Approx.), after " $n_{\lambda b}(t)$ " delete ";;".

At column 61, line 17, delete "(HBO2)" and insert -- (HbO_2) --, therefor.

At column 61, line 20, delete "(HBO2)" and insert -- (HbO_2) --, therefor.

At column 61, line 21, delete " $c^v HbO2$ " and insert -- $c^v HbO_2$ --, therefor.

At column 61, line 26, delete " $c^A HbO2$ " and insert -- $c^A HbO_2$ --, therefor.

At column 61, line 30, after "A6)" insert -- . --.

At column 62, line 17, delete " $s_{\lambda a}(t) = s_{\lambda red}(t)$ and $s_{\lambda b}(t) = s_{\lambda IR}(t)$ " and insert
-- $S_{\lambda a}(t) = S_{\lambda red}(t)$ and $S_{\lambda b}(t) = S_{\lambda IR}(t)$ --, therefor.

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At column 64, line 30 (Approx.), delete " $s_{\lambda a}(t)$ and $s_{\lambda b}(t)$ " and insert
-- $S_{\lambda a}(t)$ and $S_{\lambda b}(t)$ --, therefor.

At column 64, line 37 (Approx.), delete " $s_{\lambda a}(t)$ and $s_{\lambda b}(t)$ " and insert
-- $S_{\lambda a}(t)$ and $S_{\lambda b}(t)$ --, therefor.

At column 65, line 18, delete " $\beta_m(t)$ " and insert -- $\beta_m(t)$ --, therefor.

At column 65, line 24, delete " $s_{\lambda a}(t)$ and $s_{\lambda b}(t)$ " and insert -- $S_{\lambda a}(t)$ and $S_{\lambda b}(t)$ --,
therefor.

At column 66, line 15-16, delete "breathalyzer" and insert -- breathalyzer --,
therefor.

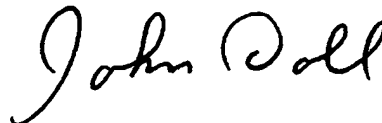
At column 67, line 19, in Claim 1, before "shaped" insert -- the --.

At column 67, line 59, in Claim 10, before "shaped" insert -- the --.

At column 68, line 40, in Claim 21, delete "induces" and insert -- induced --,
therefor.

Signed and Sealed this

Second Day of June, 2009



JOHN DOLL
Acting Director of the United States Patent and Trademark Office